New Catalog 31 Features 6 Expanded Product Lines!

EXAIR is excited to announce our new Catalog 31 is available now – filled with even more problem solving engineered compressed air products. Call for your catalog today or just send in the card you received with the EXAIR Mail.

NEW

EXAIR is offering a brand new way to monitor your compressed air usage. A **Digital Flowmeter™ with wireless capability** is now available as a built in option for EXAIR Digital Flowmeters. The easy way to monitor compressed air consumption and waste can now be done wirelessly over a ZigBee® mesh network.

NEW

- Provides wireless monitoring of EXAIR flowmeters through-out a plant
- Configured with 128 bit encryption for security.
- Utilizes mesh networking protocol to relay data from remote meters
- Transmits current air usage and cumulative air usage data

The **VariBlast™ Compact Safety Air Gun** is EXAIR's latest offering in Safety Air Guns. This small, lightweight air gun is capable of handling tough jobs. Designed with a variable flow trigger, they are able to produce different force values from the same nozzle simply by pulling the trigger. These air guns can be outfitted with all of EXAIR's 1/8 NPT engineered air nozzles, and extensions are available up to 72" long.

- Variable flow trigger
- Great for light to medium duty applications
- Force values up to 1 pound
- Efficient – maximizes entrainment of air
- Minimizes air consumption and noise
- Dual 1/4 NPT inlets

NEW

EXAIR has expanded its Gen4 Static Eliminator lineup to include **Gen4 Super Ion Air Knives**, **Gen4 Standard Ion Air Knives** and **Gen4 Ionizing Bars**. All of our New Gen4 Static Eliminators have undergone independent laboratory tests to certify they meet the rigorous safety, health and environmental standard of the USA, European Union and Canada to attain the CE and UL marks. Each offers an armored high voltage cable to protect against abrasion, cuts, splits and other damage from the environment.

GEN4™ Continued

New Selectable Voltage (115V or 230VAC) power supplies with rugged stainless steel connections and integrated fuse protection on the primary input voltage are available in 2 or 4 outlet versions.

- Gen4 Super Ion Air Knife provides 34% better static elimination than previous Super Ion Air Knife
- Gen4 Standard Ion Air Knife performance is 30% better than previous Standard Ion Air Knife
- Gen4 Ionizing Bars perform 25% better and can be mounted up to 4" away from the product surface
- Great solution to static electricity problems, like dust clinging to product, product clinging to itself, materials jamming or tearing and hazardous sparks or shocks

NEW Super Ion Air Knife

NEW Standard Ion Air Knife

EXAIR has greatly expanded its offering of liquid atomizing nozzles by adding a large selection of **1/8 NPT atomizing nozzles, including No Drip versions**, to complement the 1/4 and 1/2 NPT nozzles already available. EXAIR's Atomizing Spray Nozzles atomize fluids in a range of spray patterns and include Internal Mix (for pressure fed applications not requiring independent air and liquid control), External Mix (for pressure fed applications with independent air and liquid control) and Siphon Fed (siphon or gravity fed for non-pressurized applications) models.

- Fully adjustable
- Maximizes liquid dispersion
- Minimizes liquid consumption
- Interchangeable liquid and air caps
- Mounting brackets available

NEW

EXAIR is now offering **Sanitary Flange Line Vacs™** to convey material, parts, waste, features easy disassembly and cleanup. These new line vacs are the best way to convey materials in systems which require frequent or mandatory cleaning.

- ISO 2852 compatible
- Type 316 Stainless Steel
- Fits standard sanitary flanges
- Four sizes available from stock

NEW

EXAIR has expanded our selection of **Super Air Wipes** and **Standard Air Wipes** by adding a 3/8" version. Air Wipes are the perfect way to blowoff, dry, clean and cool pipe, cable, extruded shapes, hose and wire. Air Wipes are now available in 3/8" (10mm) to 11" (279mm) sizes.

Application Spotlight:

Super Air Nozzles replace open pipe and reduce air consumption by 40%

Application Goal:

To reduce air consumption and excess noise pollution in a large products manufacturing facility.

The Problem:

An electrical connector company had 65 stamping presses each using two, 1/4" open pipes for part ejection. Each open pipe consumed 23.2 SCFM for an overall total air consumption of 3,016 SCFM. This was consuming nearly all of their entire compressed air system. Also, noise levels were well above OSHA exposure limits and required hearing protection.

They were looking to reduce their air consumption and get noise levels below where hearing protection was required.

The Solution:

Simply by installing **Model 1100 Super Air Nozzles** on each of the open blow offs, air consumption was reduced from 23.2 SCFM to 14 SCFM per each blow off for a 40% reduction in air usage. By their calculations of energy cost savings, this amortized out at an annual cost savings of $45,000.

Sound levels were reduced to 74 dBA, well below the requirement for hearing protection. With the improvement in sound level, other noise sources were also identifiable.

Model 1100 Super Air Nozzle Performance				
Air Consumption at 80 PSIG (5.5 BAR)		**Force***		**Sound Level**
14 SCFM	396 SLPM	13 Ozs	368 Grams	74 dBA

* Force measured at 12" (305mm) from target.
Sound level measured at 3' (914mm)
All measurements taken at 80 PSIG (5.5 BAR)

Summary:

This application realized huge dollar savings with the simple addition of engineered air nozzles. Installing an EXAIR engineered air nozzle on an open pipe or tube is as simple as turning a wrench. If you can turn a wrench, you can realize significant dollar savings also! Take a walk through your facility to identify wasteful uses of compressed air that would benefit from these nozzles.

New Application Checklist

EXAIR products solve a variety of problems. Please call our Application Engineers at 1 (800) 903-9247 or e-mail them at techelp@exair.com for assistance with yours.

A construction equipment company has some electronic cabinets in a very wet environment and they needed to keep the humidity levels down in the panel because it affected the readings of some sensors. A **Model 4708 NEMA 4 Cabinet Cooler System**, **Continuous Operation** purged the panel with cool, dry air and maintained a consistent humidity level that enabled their instruments to function properly. Cabinet Coolers are an excellent way to control electronic control downtime due to heat, dirt and moisture.

After production, a woodworking shop has sawdust and wood chips all over the shop floor. A small industrial vacuum was inconvenient since it had to be emptied so frequently. A **Model 6293 Deluxe Chip Vac System** collects the wood chips and sawdust into a 55-gallon drum on a dolly, so it is easy to transport the drum around the shop to the area that needs cleaning. Having 55 gallons of storage for the chips allows them to empty the drum about once a week, as opposed to once or more each day. That is a vast improvement over the regular shop vacuum.

A fabricator is melting scrap aluminum, which contains other impurities. These impurities are being burned off and they were looking for a way to keep harmful gases from escaping the door where scrap is fed in. The opening of the door is 30" x 36". It was outfitted with a **Model 110030SS 30" (762mm) Stainless Steel Super Air Knife**. This Super Air Knife separates the atmosphere from the caustic environment inside the melting furnace, keeping the harmful fumes away.

A low cost, reliable way to cool and purge electronic control panels. EXAIR **Cabinet Coolers** incorporate a vortex tube to produce cold air from compressed air - **with no moving parts.** The compact Cabinet Cooler can be installed in minutes through a standard electrical knockout. **NEMA 12, 4, and 4X (IP54 and IP66) Cabinet Coolers** that match the NEMA rating of the enclosure are available in many cooling capacities for large and small control panels.

To learn more go to:
www.exair.com/05/ccpromo.htm